10/576059 Beverly Sheers 1/29/07

FILE 'REGISTRY' ENTERED AT 11:21:54 ON 25 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3
DICTIONARY FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3

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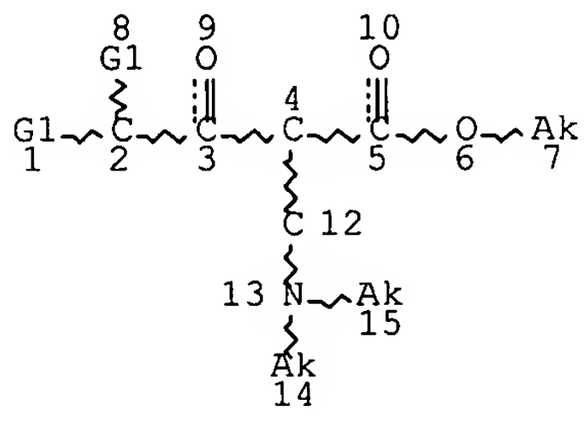
http://www.cas.org/ONLINE/UG/regprops.html

L1 STR



VAR G1=F/CL/BR
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L2 9 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 2335 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

FILE 'HCAPLUS' ENTERED AT 11:21:59 ON 25 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 25 Jan 2007 VOL 146 ISS 5
FILE LAST UPDATED: 24 Jan 2007 (20070124/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

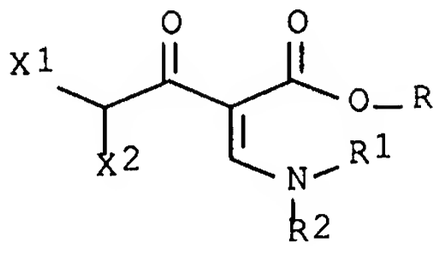
L3 9 L2

L3 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:409463 HCAPLUS Full-text
DOCUMENT NUMBER: 142:463718
TITLE: Preparation of 2-dihaloacyl-3-amino-acrylic acid esters
INVENTOR(S): Lantzsch, Reinhard; Joerges, Wolfgang; Pazenok, Sergiy
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042468	A1	20050512	WO 2004-EP11376	20041012
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10349500	A1	20050602	DE 2003-10349500	20031023
EP 1678119	A1	20060712	EP 2004-790277	20041012
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1871204	A	20061129	CN 2004-80031203	20041012
BR 2004015855	A	20070109	BR 2004-15855	20041012
US 2006252944	A1	20061109	US 2006-576059	20060629
PRIORITY APPLN. INFO.:			DE 2003-10349500 A	20031023

OTHER SOURCE(S): CASREACT 142:463718

GI



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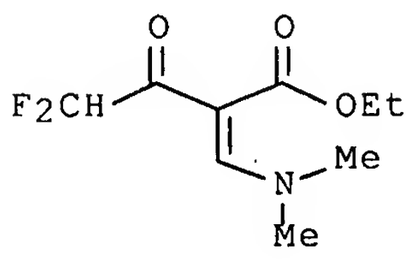


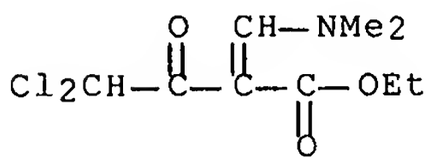
II

AB Title compds. I [X1, X2 = F, Cl, Br; R, R1, R2 = alkyl] were prepared For example, a solution of difluoroacetyl chloride (26 g) in toluene (200 mL) was added dropwise to ethyl-3-(dimethylamino)acrylate (32.5 g) in toluene (200 mL), the reaction was then cooled to 0°C and 10% sodium hydroxide (90.85 g) was added over a 3-h. The reaction was warmed to room temperature and after distillation afforded difluoroacetyl II in 74% yield. Of note, compds. I are useful intermediates for the synthesis of 3-dihalomethyl-pyrazole-4-carboxylic acid esters.

IT **851725-83-2P 851725-85-4P 851725-95-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 2-dihaloacyl-3-amino-acrylic acid esters)

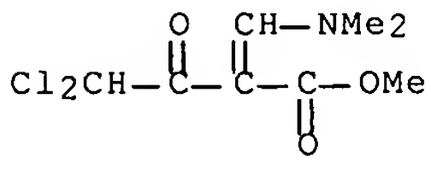
RN 851725-83-2 HCAPLUS

CN Butanoic acid, 4,4-dichloro-2-[(dimethylamino)methylene]-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



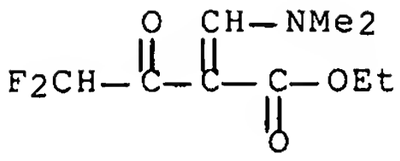
RN 851725-85-4 HCAPLUS

CN Butanoic acid, 4,4-dichloro-2-[(dimethylamino)methylene]-3-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 851725-95-6 HCAPLUS

CN Butanoic acid, 2-[(dimethylamino)methylene]-4,4-difluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:589549 HCAPLUS Full-text
DOCUMENT NUMBER: 141:140450
TITLE: Preparation of 2-oxopyridin-3-yl thia(di)azoles as Cdk2 and Cdk5 kinase inhibitors for the treatment of cell proliferation-related disorders
INVENTOR(S): Zhong, Wenge; Norman, Mark Henry; Kaller, Matthew; Nguyen, Thomas; Rzasa, Robert Michael; Tegley, Christopher; Wang, Hui-Ling
PATENT ASSIGNEE(S): Amgen Inc., USA
SOURCE: PCT Int. Appl., 317 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004060890	A1	20040722	WO 2003-US41388	20031222
WO 2004060890	A8	20050818		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004147561	A1	20040729	US 2003-736289	20031212
CA 2509213	A1	20040722	CA 2003-2509213	20031222
AU 2003299980	A1	20040729	AU 2003-299980	20031222
EP 1575947	A1	20050921	EP 2003-800245	20031222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006514059	T	20060427	JP 2004-565746	20031222
US 2006241151	A1	20061026	US 2006-415454	20060502

PRIORITY APPLN. INFO.:	US 2002-436787P	P	20021227
	US 2003-736289	A	20031212
	WO 2003-US41388	W	20031222

OTHER SOURCE(S): MARPAT 141:140450
GI

4

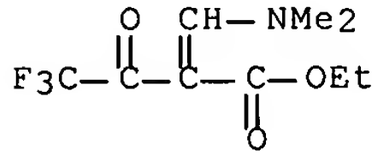
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein A = O or S; Q = NH2 and derivs., NHC(:O)H, alkyl-OH and derivs., (un)substituted monocyclic or bicyclic, etc; W = (un)substituted 1,3-thiazolyl, 1,2,4-thiadiazolyl; R1, R2, R3 = independently H, halo, aryl, alk(en/yn)yl, perfluoroalkyl, NO2, heterocyclyl, NH2 and derivs., etc.; R1CCR2 or R2CCR3 = 5-10 membered (un)saturated carbocyclic or heterocyclic and derivs.; with provisos; and pharmaceutically acceptable salts thereof] are disclosed as serine/threonine kinase inhibitors for effective treatment of cell proliferation or apoptosis-mediated diseases (no data). The invention encompasses I and pharmaceutically acceptable derivs. thereof, pharmaceutical compns., and methods for prophylaxis and treatment of diseases and other maladies or conditions involving stroke, cancer, and the like (no data). For example, II was prepared by cyclization of bromoacetylpyridinone (III) (preparation given) with 2-(2- thienylsulfonyl)ethanethioamide in EtOH under microwave conditions at 150° for 5 min. II exhibited Cdk2/cyclin and Cdk5/p25 kinase activity with IC50 values < 0.5 μM and inhibited cell proliferation of human PC-3 prostate cells, HCT 116 human colon carcinoma cells, or HT 29 human colon carcinoma cells with IC50 < 1 μM.

IT **267243-86-7P**, Ethyl 2-trifluoroacetyl-3-(dimethylamino)prop-2-enoate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of quinazolines as Cdk2 and Cdk5 kinase inhibitors for treatment of cell proliferation-related disorders)

RN 267243-86-7 HCAPLUS

CN Butanoic acid, 2-[(dimethylamino)methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



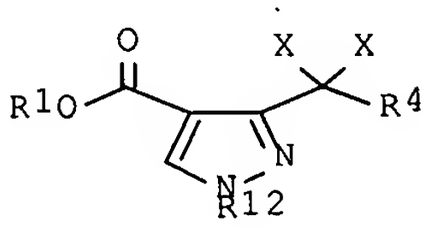
L3 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:491167 HCAPLUS Full-text
DOCUMENT NUMBER: 139:53016
TITLE: Method for producing 2-halogenacyl-3-amino-acrylic acid and derivatives
INVENTOR(S): Lui, Norbert; Brackemeyer, Thomas; Mueller, Peter; Schneider, Marielouise
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2003051820	A1	20030626	WO 2002-EP13721	20021204
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10161978	A1	20030626	DE 2001-10161978	20011217
AU 2002363862	A1	20030630	AU 2002-363862	20021204
EP 1458670	A1	20040922	EP 2002-798321	20021204
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1604889	A	20050406	CN 2002-825189	20021204
JP 2005511782	T	20050428	JP 2003-552708	20021204
US 6706911	B1	20040316	US 2002-319242	20021213
PRIORITY APPLN. INFO.:			DE 2001-10161978 A	20011217
			WO 2002-EP13721 W	20021204

OTHER SOURCE(S): CASREACT 139:53016; MARPAT 139:53016

GI



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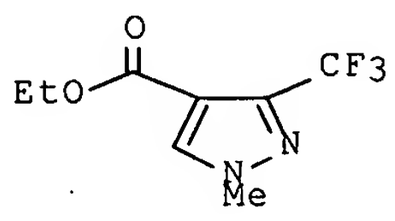
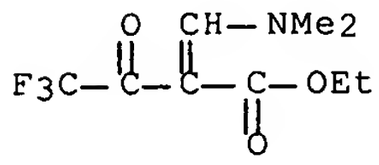


III

AB The invention relates to an improved method for producing 2-haloacyl-3-aminoacrylic acid derivs., R4CX2COC(CO2R1):CHNR2R3 [R1 = C1-12-alkyl, C6-18-aryl, C7-19-arylalkyl; R2, R3 = C1-12-alkyl, C7-19-arylalkyl; R4 = Cl, Br, I, C1-12-haloalkyl, C1-12-alkyl, C6-18-aryl, C7-19-arylalkyl; X = Cl, Br, I], and pyrazole-4-carboxylic acid derivs. I [R12 = H, C1-12-alkyl, C6-18-aryl, C7-19-arylalkyl], both of which are obtained from the 3-aminoacrylic acid derivs., R2R3NCH:CHCO2R1 (II), comprising acylation of II with R4CX2COX or (R4CX2CO)2O in the presence of a base. Thus, 1-methyl-3- (trifluoromethyl)-4-pyrazolecarboxylic acid Et ester (III), was prepared from 3-(dimethylamino)acrylic acid Et ester (II; R1 = Et, R2 = R3 = Me) via acylation with CF3COCl in PhMe contg, Et3N, followed by cyclocondensation with MeNHNH2 in PhMe. Pyrazoles I are useful in the formulation of pharmaceuticals and agrochems. (no data).

IT **267243-86-7P**, 3-(Dimethylamino)-2-(trifluoroacetyl)acrylic acid ethyl ester
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 2-halogenacyl-3-aminoacrylic acid and pyrazole-4-carboxylic acid derivs.)

RN 267243-86-7 HCAPLUS
CN Butanoic acid, 2-[(dimethylamino)methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)

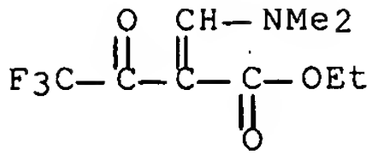


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:335065 HCAPLUS Full-text
DOCUMENT NUMBER: 132:322144
TITLE: Process for making 2-(trihaloacetyl)-3-(substituted amino)-2-propenoates
INVENTOR(S): Osei-Gyimah, Peter
PATENT ASSIGNEE(S): Rohm and Haas Company, USA
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 1000926	A1	20000517	EP 1999-308535		19991028
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
KR 2000035081	A	20000626	KR 1999-46879		19991027
US 6207828	B1	20010327	US 1999-433249		19991104
JP 2000143593	A	20000523	JP 1999-319772		19991110
CN 1257067	A	20000621	CN 1999-122445		19991110
PRIORITY APPLN. INFO.:			US 1998-107796P	P	19981110

OTHER SOURCE(S): CASREACT 132:322144; MARPAT 132:322144
AB Title aminopropenoates and related derivs. R1R2NCH:C(COCX3)C(:A)B [A = O or S; B = R, OR, NR2, SR (R = H, alkyl, haloalkyl, alkenyl, alkynyl, Ph or substituted phenyl); R1, R2 = alkyl or alkenyl or R2R2N = 4-morpholino, 1-piperidinyl, 1-pyrrolidinyl, thiomorpholin-4-yl, 1-pyrrolyl, or 1-imidazolyl; X = F or Cl] were prepared by treating a trihaloacetyl compound X3CCOCH2C(:A)B with an acetal R1R2NCH(OR3)(OR4) (R3, R4 = alkyl, cycloalkyl, benzyl or phenethyl or together form 1,3-dioxan-2-yl, 1,3-dioxolan-2-yl, or catech-2-yl) in the presence of an organic acid. Thus, DMF di-Me acetal was added to a stirred mixture of Et trifluoroacetoacetate and acetic acid in THF at 35° to afford, after 30 min addnl. stirring, 61.8 % Et 2-(trifluoroacetyl)-3-(dimethylamino)-2-propenoate and 19.8 % Et 3-(dimethylamino)-2- propenoate.
IT **267243-86-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (trihaloacetyl)(substituted amino)propenoates)
RN 267243-86-7 HCAPLUS
CN Butanoic acid, 2-[(dimethylamino)methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

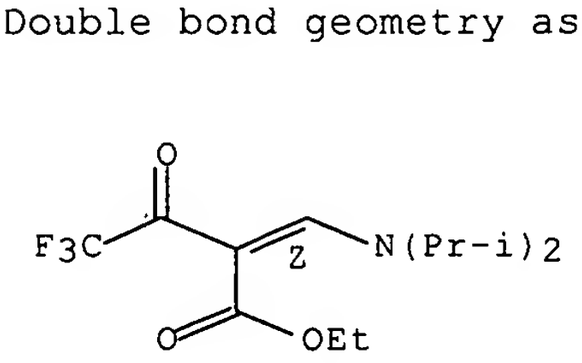
L3 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:549609 HCAPLUS Full-text
DOCUMENT NUMBER: 129:259948
TITLE: New synthesis of functionalized enamino ketones
AUTHOR(S): Bartnik, Romuald; Bensadat, Abdelkader; Cal, Dariusz; Khatimi, Nadia; Laurent, Andre; Laurent, Eliane; Rizzon, Caroline
CORPORATE SOURCE: Laboratoire de Chimie Organique et Appliquee, Universite de Lodz, Lodz, Pol.
SOURCE: Bulletin of the Polish Academy of Sciences, Chemistry (1998), 46(2), 133-146
CODEN: BPACEQ; ISSN: 0239-7285
PUBLISHER: Polish Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: French

AB A new synthesis of enaminoketones is described. E,Z β-chloroacrolein derivs. react with secondary amines to produce enamino ketones. Generally only one stereoisomer is formed; its configuration was established. The reaction was also studied with trifluoromethyl compds. At room temperature, the E,Z equilibrium is very fast for the enamino ketone CF3COC(CO2Et):CHN(CH2Ph)CH2CO2Et.

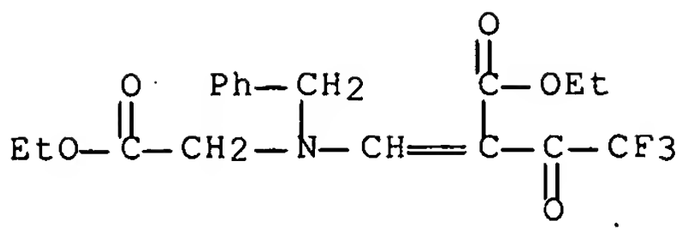
IT **185389-56-4P 199390-17-5P 213534-79-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of functionalized enamino ketones)

RN 185389-56-4 HCAPLUS
CN Butanoic acid, 2-[[bis(1-methylethyl)amino]methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester, (2Z)- (9CI) (CA INDEX NAME)

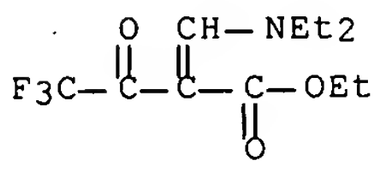
Double bond geometry as shown.



RN 199390-17-5 HCAPLUS
CN Butanoic acid, 2-[[(2-ethoxy-2-oxoethyl)(phenylmethyl)amino]methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)

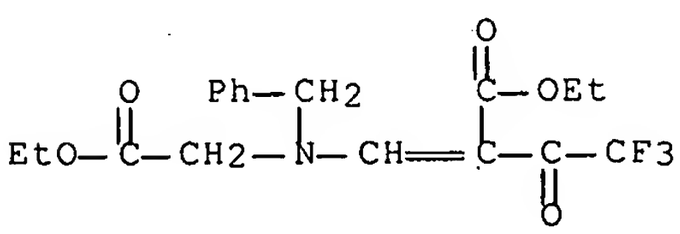


RN 213534-79-3 HCAPLUS
CN Butanoic acid, 2-[(diethylamino)methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:733471 HCAPLUS Full-text
DOCUMENT NUMBER: 128:22776
TITLE: Reactivity of trifluoromethylenaminoketones. Synthesis of new trifluoromethylpyrroles
AUTHOR(S): Bartnik, Romuald; Bensadat, Abdelkader; Cal, Dariusz; Faure, Rene; Khatimi, Nadia; Laurent, Andre; Laurent, Eliane; Rizzon, Caroline
CORPORATE SOURCE: Institut de chimie, Universite de Lodz, Lodz, 90136, Pol.
SOURCE: Bulletin de la Societe Chimique de France (1997), 134(7), 725-734
CODEN: BSCFAS; ISSN: 0037-8968
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Trifluoromethylated enaminoketones are good precursors for the synthesis of new trifluoromethylated pyrroles. Both 5-exo-trig and 3-exo-trig cyclizations were observed
IT 199390-17-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (trifluoromethyl)pyrroles)
RN 199390-17-5 HCAPLUS
CN Butanoic acid, 2-[[(2-ethoxy-2-oxoethyl)(phenylmethyl)amino]methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:729942 HCAPLUS Full-text
DOCUMENT NUMBER: 126:74506
TITLE: A new synthesis of enamino ketones
AUTHOR(S): Bartnik, Romuald; Bensadat, Abdelkader; Cal, Dariusz; Cebulska, Zofia; Laurent, Andre; Laurent, Eliane; Rizzon, Caroline
CORPORATE SOURCE: Inst. Chimie, Univ. Lodz, Lodz, 90 136, Pol.
SOURCE: Tetrahedron Letters (1996), 37(48), 8751-8754
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 126:74506

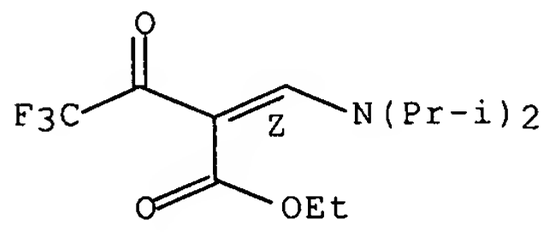
AB E,Z β-chloroacroleins react with secondary amines to produce enamino ketones. The reaction was primarily studied with β-trifluoromethylacroleins.

IT **185389-56-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 185389-56-4 HCAPLUS

CN Butanoic acid, 2-[[bis(1-methylethyl)amino]methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester, (2Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:455340 HCAPLUS Full-text
DOCUMENT NUMBER: 101:55340
TITLE: Enamine derivatives of phosphonic acid esters as herbicides
INVENTOR(S): Singh, Rajendra K.
PATENT ASSIGNEE(S): Monsanto Co. , USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4444582	A	19840424	US 1982-449050	19821213

AU 8322315	A	19840621	AU 1983-22315	19831212
EP 112321	A1	19840627	EP 1983-870129	19831212
R: BE, DE, FR, IT, NL				
GB 2131810	A	19840627	GB 1983-33089	19831212
JP 59116295	A	19840705	JP 1983-232922	19831212
BR 8306801	A	19840717	BR 1983-6801	19831212
PRIORITY APPLN. INFO.:			US 1982-449050 A	19821213

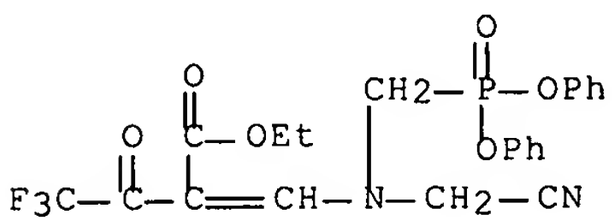
OTHER SOURCE(S): CASREACT 101:55340; MARPAT 101:55340

AB Herbicidal ROP(O)(OR1)CH2N(CH2CN)CH:CR2COR3 (R,R1 = Ph, halophenyl, alkoxyphenyl; R2 = H, COR3; R3 = alkoxy, alkyl, haloalkyl) were prepared Thus H2C:C(COMe)(CO2Et) was treated with (PhO)2P(O)CH2NHCH2CN to give (PhO)2P(O)CH2N(CH2CN)CH:C(COMe)CO2Et (I). At 1.12 kg/ha postemergent, I gave complete control of Chenopodium album.

IT **91168-73-9P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and herbicidal activity of)

RN 91168-73-9 HCAPLUS

CN Butanoic acid, 2-[[(cyanomethyl)[(diphenoxyphosphinyl)methyl]amino]methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1984:423726 HCAPLUS Full-text

DOCUMENT NUMBER: 101:23726

TITLE: Enamine derivatives of phosphonic acid esters as herbicides

INVENTOR(S): Singh, Rajendra K.

PATENT ASSIGNEE(S): Monsanto Co. , USA

SOURCE: U.S., 5 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4444581	A	19840424	US 1982-449049	19821213
AU 8322316	A	19840621	AU 1983-22316	19831212
AU 556590	B2	19861113		
EP 112322	A1	19840627	EP 1983-870130	19831212
EP 112322	B1	19861001		
R: BE, DE, FR, IT, NL				
GB 2131809	A	19840627	GB 1983-33088	19831212
GB 2131809	B	19860529		
JP 59116296	A	19840705	JP 1983-232923	19831212
BR 8306802	A	19840717	BR 1983-6802	19831212
CA 1203542	A1	19860422	CA 1983-443113	19831212

PRIORITY APPLN. INFO.: US 1982-449049 A 19821213

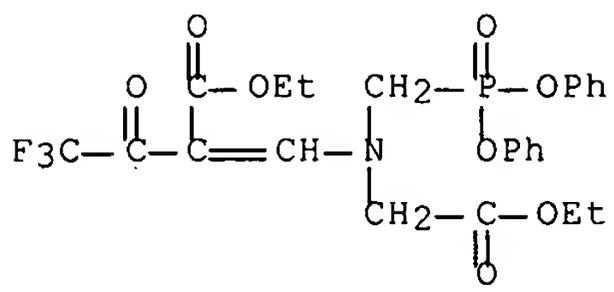
OTHER SOURCE(S): CASREACT 101:23726; MARPAT 101:23726

AB Vinylamines (RO)2P(O)CH2N(CH2CO2R1)CH:CR2R3 (R = Ph, halophenyl, haloalkanoyl; R1 = alkyl; R2 = carbalkoxy, alkanoyl, haloalkanoyl; R3 = H, carbalkoxy, alkanoyl, haloalkanoyl) were prepared, and they exhibited herbicidal activity. A mixture of (PhO)2P(O)CH2NHCH2CO2Et and EtOCH:C(Ac)CO2Et in PhMe was refluxed under N to give (PhO)2P(O)CH2N(CH2CO2Et)CH:C(Ac)CO2Et.

IT **90815-46-6P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and herbicidal activity of)

RN 90815-46-6 HCAPLUS

CN Butanoic acid, 2-[[[(diphenoxyphosphinyl)methyl](2-ethoxy-2-oxoethyl)amino]methylene]-4,4,4-trifluoro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



FILE 'CAOLD' ENTERED AT 11:22:13 ON 25 JAN 2007

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

L4 0 L2

FILE 'USPATFULL' ENTERED AT 11:22:25 ON 25 JAN 2007

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Jan 2007 (20070118/PD)
FILE LAST UPDATED: 23 Jan 2007 (20070123/ED)
HIGHEST GRANTED PATENT NUMBER: US2007015693
HIGHEST APPLICATION PUBLICATION NUMBER: US2007016995
CA INDEXING IS CURRENT THROUGH 23 Jan 2007 (20070123/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Jan 2007 (20070118/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

L5 7 L2

L5 ANSWER 1 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2006:295774 USPATFULL Full-text
TITLE: Method for producing 2-dihaloacyl-3-amino-acrylic acid esters and 3-dihalomethyl pyrazole-4-carboxylic acid esters
INVENTOR(S): Lantzsch, Reinhard, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Jorges, Wolfgang, Odenthal, GERMANY, FEDERAL REPUBLIC OF
Pazenok, Sergiy, Kelkheim, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2006252944	A1	20061109	
APPLICATION INFO.:	US 2004-576059	A1	20041012	(10)
	WO 2004-EP11376		20041012	
			20060629	PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-103495002	20031023

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BAYER CROPSCIENCE LP, Patent Department, 100 BAYER ROAD, PITTSBURGH, PA, 15205-9741, US
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 571
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a process for preparing 2-dihaloacyl-3-aminoacrylic esters of the formula (I) ##STR1## characterized in that acid halides of the formula (II) ##STR2## are reacted with dialkylaminoacrylic esters of the formula (III) ##STR3## in which R, R.sup.1, R.sup.2, X.sup.1, X.sup.2 and Hal are each as defined in the description in a water-immiscible organic solvent in the presence of a base, to the novel 2-dihaloacyl-3-aminoacrylic esters of the formula (I) themselves, to their use for preparing 3-dihalomethylpyrazoles, to a process for preparing 3-dihalomethylpyrazoles, and also to novel 3-dihalomethylpyrazoles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2006:282208 USPATFULL Full-text
TITLE: Pyrid-2-one derivatives and methods of use
INVENTOR(S): Zhong, Wenge, Thousand Oaks, CA, UNITED STATES
Norman, Mark Henry, Thousand Oaks, CA, UNITED STATES
Kaller, Matthew, Ventura, CA, UNITED STATES
Nguyen, Thomas, Thousand Oaks, CA, UNITED STATES
Rzasa, Robert Michael, Ventura, CA, UNITED STATES
Tegley, Christopher, Thousand Oaks, CA, UNITED

STATES
Wang, Hui-Ling, Thousand Oaks, CA, UNITED STATES
PATENT ASSIGNEE(S): AMGEN, INC., Thousand Oaks, CA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2006241151	A1	20061026	
APPLICATION INFO.:	US 2006-415454	A1	20060502	(11)

RELATED APPLN. INFO.: Division of Ser. No. US 2003-736289, filed on 12 Dec 2003, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-436787P	20021227 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: BANNER & WITCOFF, 1001 G STREET N W, SUITE 1100, WASHINGTON, DC, 20001, US
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
LINE COUNT: 6549
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Selected compounds are effective for treatment of diseases, such as cell proliferation or apoptosis mediated diseases. The invention encompasses novel compounds, analogs, prodrugs and pharmaceutically acceptable derivatives thereof, pharmaceutical compositions and methods for prophylaxis and treatment of diseases and other maladies or conditions involving stroke, cancer and the like. The subject invention also realtes to processes for making such compounds as well as to intermediates useful in such processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2004:190788 USPATFULL Full-text
TITLE: Pyrid-2-one derivatives and methods of use
INVENTOR(S): Zhong, Wenge, Thousand Oaks, CA, UNITED STATES
Norman, Mark Henry, Thousand Oaks, CA, UNITED STATES
Kaller, Matthew, Ventura, CA, UNITED STATES
Nguyen, Thomas, Thousand Oaks, CA, UNITED STATES
Rzasa, Robert Michael, Ventura, CA, UNITED STATES
Tegley, Christopher, Thousand Oaks, CA, UNITED STATES
Wang, Hui-Ling, Thousand Oaks, CA, UNITED STATES

found all 7 by inventor dates are not good

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004147561	A1	20040729	
APPLICATION INFO.:	US 2003-736289	A1	20031212	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-436787P	20021227 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: AMGEN INC., U.S. Patent Operations/JWB, Dept. 4300, M/S 27-4-A, One Amgen Center Drive, Thousand Oaks, CA, 91320-1799

NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
LINE COUNT: 7376
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Selected compounds are effective for treatment of diseases, such as cell proliferation or apoptosis mediated diseases. The invention encompasses novel compounds, analogs, prodrugs and pharmaceutically acceptable derivatives thereof, pharmaceutical compositions and methods for prophylaxis and treatment of diseases and other maladies or conditions involving stroke, cancer and the like. The subject invention also relates to processes for making such compounds as well as to intermediates useful in such processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2004:66025 USPATFULL Full-text
TITLE: Preparation of 2-haloacyl-3-aminoacrylic acid derivatives
INVENTOR(S): Lui, Norbert, Koln, GERMANY, FEDERAL REPUBLIC OF
Brackemeyer, Thomas, Koln, GERMANY, FEDERAL REPUBLIC OF
Muller, Peter, Odenthal, GERMANY, FEDERAL REPUBLIC OF
Schneider, Marielouise, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6706911	B1	20040316
APPLICATION INFO.:	US 2002-319242		20021213 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-10161978	20011217

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Rotman, Alan L.
ASSISTANT EXAMINER: Shameem, Golam M M
LEGAL REPRESENTATIVE: Akorli, Godfried R., Eyl, Diderico van
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 428
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to an improved process for preparing 2-haloacyl-3-aminoacrylic acid derivatives and pyrazole-4-carboxylic acids and derivates thereof obtainable from it.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 7 USPATFULL on STN
ACCESSION NUMBER: 2001:44385 USPATFULL Full-text
TITLE: Process for making 2-(trihaloacetyl)-3-(substituted amino)-2-propenoates
INVENTOR(S): Osei-Gyimah, Peter, Horsham, PA, United States
PATENT ASSIGNEE(S): Rolm and Haas Company, Philadelphia, PA, United

States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6207828	B1	20010327	
APPLICATION INFO.:	US 1999-433249		19991104	(9)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 1998-107796P	19981110	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Shah, Mukund J.
ASSISTANT EXAMINER: Patel, Sudhaker B.
LEGAL REPRESENTATIVE: Carpenter, Clark R.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 446
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides a convenient, new, one step process for the preparation of 2-(trihaloacetyl)-3-(substituted amino)-2-propenoates and related derivatives thereof by reaction of carbonyl compounds substituted with a trihaloacetyl group with an acetal in the presence of an organic acid. The resulting propenoates are useful as intermediates for the construction of trihalomethyl substituted heterocyclic compounds for use in pharmaceutical and agricultural applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 7 USPATFULL on STN
ACCESSION NUMBER: 84:22792 USPATFULL Full-text
TITLE: Enamine derivatives of phosphonic acid esters as herbicides
INVENTOR(S): Singh, Rajendra K., Maryland Heights, MO, United States
PATENT ASSIGNEE(S): Monsanto Company, St. Louis, MO, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4444582		19840424	
APPLICATION INFO.:	US 1982-449050		19821213	(6)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Sutto, Anton H.
LEGAL REPRESENTATIVE: Bennett, David, Shear, Richard H., Cole, Arnold H.
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1,6,8
LINE COUNT: 432
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel compounds are described in which an N-cyanomethyl, N-(diarylphosphonylmethyl)amine is substituted at the nitrogen atom with an ethylenically unsaturated group. The compounds are active herbicide and may provide an active ingredient in a herbicidal composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 84:22791 USPATFULL Full-text
TITLE: Enamine derivatives of phosphonic acid esters as herbicides
INVENTOR(S): Singh, Rajendra K., Maryland Heights, MO, United States
PATENT ASSIGNEE(S): Monsanto Company, St. Louis, MO, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4444581		19840424	
APPLICATION INFO.:	US 1982-449049		19821213	(6)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Sutto, Anton H.
LEGAL REPRESENTATIVE: Bennett, David, Shear, Richard H., Cole, Arnold H.
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1,6,8
LINE COUNT: 401

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel compounds are described which are glyphosate esters having an unsaturated substituent on the nitrogen atom of the glyphosate group. The compounds are active herbicides and may provide an active ingredient of a herbicidal composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

FILE 'MEDLINE' ENTERED AT 11:22:40 ON 25 JAN 2007

FILE 'BIOSIS' ENTERED AT 11:22:40 ON 25 JAN 2007

FILE 'EMBASE' ENTERED AT 11:22:40 ON 25 JAN 2007

L6 0 L2

FILE 'MARPAT' ENTERED AT 11:22:44 ON 25 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE CONTENT: 1961-PRESENT VOL 146 ISS 4 (20070119/ED)

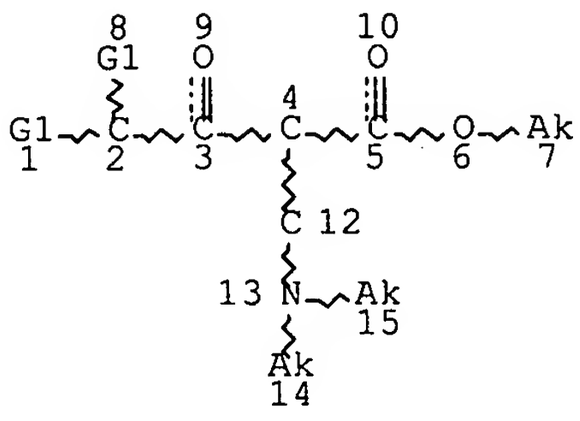
SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US	2006270870	30	NOV 2006
DE	102005023858	30	NOV 2006
EP	1727165	29	NOV 2006
JP	2006324194	30	NOV 2006
WO	2006128952	07	DEC 2006
GB	2426524	29	NOV 2006
FR	2886297	01	DEC 2006
RU	2287524	20	NOV 2006
CA	2508094	20	NOV 2006

Expanded G-group definition display now available.

L7 STR



VAR G1=F/CL/BR
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DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 7 14 15
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:
ECLEVEL IS LIM ON ALL NODES
ALL RING(S) ARE ISOLATED

L9 7 SEA FILE=MARPAT SSS FUL L7 (MODIFIED ATTRIBUTES)

100.0% PROCESSED 4111 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.03

L9 ANSWER 1 OF 7 MARPAT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 145:466878 MARPAT Full-text
TITLE: Halomethylenealkanones and furanones as biofilm blocking agents
INVENTOR(S): Stumpe, Stefan; Breves, Roland; Hater, Wolfgang; Janssen, Frank; Weide, Mirko
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft Auf Aktien, Germany
SOURCE: PCT Int. Appl., 54pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006117113	A2	20061109	WO 2006-EP3860	20060426

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT,

TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRIORITY APPLN. INFO.: DE 2005-102005020759 20050502
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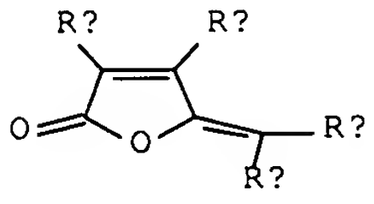

I

AB The invention relates to the use of halomethylenealkanones R1C(:O)CR2:CXR3 and furanones I [X = halo; R1-3, Ra-d = H, halo, CF3, (cyclo)alkyl, alkenyl, alkynyl, etc.] as biofilm blocking agents in the industrial sector and in institutions.

L9 ANSWER 2 OF 7 MARPAT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 141:332186 MARPAT Full-text
TITLE: Preparation of arylpyrazoles as serotonin 5-HT2A and/or 5-HT2C receptor antagonists.
INVENTOR(S): Schadt, Oliver; Arlt, Michael; Finsinger, Dirk; Schiemann, Kai; Van Amsterdam, Christoph; Bartoszyk, Gerd; Seyfried, Christoph
PATENT ASSIGNEE(S): Merck Patent GmbH, Germany
SOURCE: Ger. Offen., 78 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10315569	A1	20041014	DE 2003-10315569	20030405
AU 2004228124	A1	20041021	AU 2004-228124	20040310
CA 2521227	A1	20041021	CA 2004-2521227	20040310
WO 2004089932	A1	20041021	WO 2004-EP2453	20040310

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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1611122	A1	20060104	EP 2004-718926	20040310
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
BR 2004008986	A	20060328	BR 2004-8986	20040310
CN 1768052	A	20060503	CN 2004-80008603	20040310
JP 2006522039	T	20060928	JP 2006-504620	20040310
US 2007010531	A1	20070111	US 2005-552064	20051005
PRIORITY APPLN. INFO.:			DE 2003-10315569	20030405
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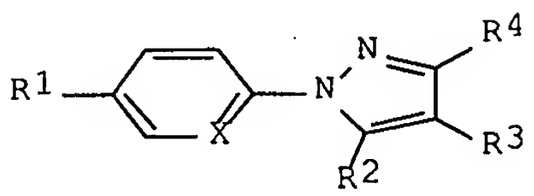

I

AB Title compds. [I; R1 = H, A, halo, (CH2)nAr, cycloalkyl, CF3, NO2, cyano, C(NH)NOH, OCF3; R2 = (CH2)nHet, (CH2)nAr, cycloalkyl, CF3; R3, R4 = H, (CH2)nCO2R5, (CH2)nCOHet, CHO, (CH2)nOR5, (CH2)nHet, CH:NOA, etc.; R5 = H, A; A = alkyl, alkoxy, alkenyl, alkoxyalkyl; Ar = (substituted) Ph; Het = (aromatic) mono- or bicyclic heterocyclyl, heteroatom-containing organic residue; X = N, CH; with provisos], were prepared Thus, [1-(4'-fluorobiphen-4-yl)-5-furan-2-yl-1H-pyrazol-4- ylmethyl]methyl(1-methylpyrrolidin-3-yl)amine showed 5-HT2A activity with IC50 = 5.14E-10.

L9 ANSWER 3 OF 7 MARPAT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	138:304276 MARPAT Full-text
TITLE:	Preparation of pyrazoles as glycine transporter protein inhibitors for the treatment of neurodegenerative diseases
PATENT ASSIGNEE(S):	Merck Patent G.m.b.H., Germany; Yamanouchi Pharmaceutical Co.
SOURCE:	Ger. Offen., 62 pp. CODEN: GWXXBX
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10149370	A1	20030410	DE 2001-10149370	20011006
WO 2003031435	A1	20030417	WO 2002-EP10172	20020911
WO 2003031435	A8	20030515		

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,

EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.: DE 2001-10149370 20011006
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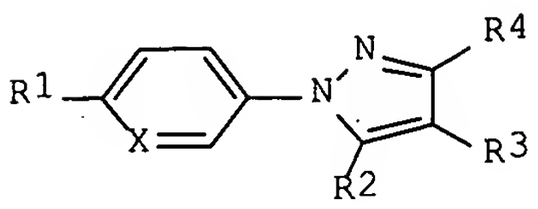

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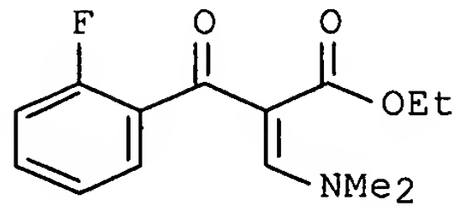

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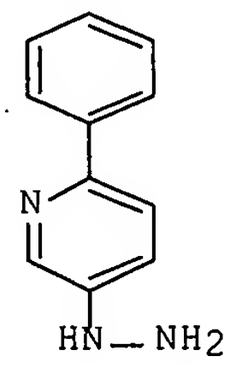

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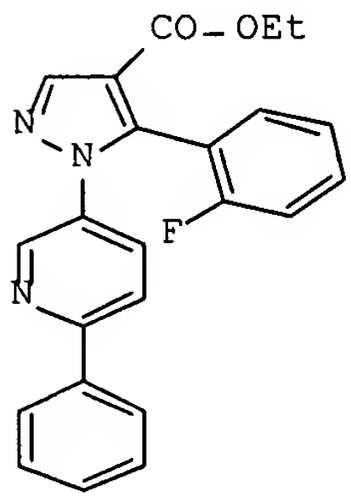

IV

AB Title compds. I [X = CH, N; R1 = H, A, halo, etc.; R2 = Ph, p-chlorophenyl; R3, R4 = H, (CH2)nCO2R5, CHO, etc.; R5 = H, A; A = alkyl, alkenyl, alkoxyalkyl, etc.; n = 0-5] and their pharmaceutically acceptable salts were prepared For example, condensation of enamine II e.g., prepared from 1,1-dimethoxy-N,N-dimethylmethanamine and 2-fluoro-β-oxo-benzenepropanoic acid Et ester, and aryl hydrazine III, e.g., prepared from 2-chloro-5-nitropyridine in 3-steps, provided pyrazole IV (no yield provided). In glycine transporter protein inhibition studies, approx. 71-examples of compds. I exhibited IC50 values ranging from 0.15 - 8.7 μM, e.g., the IC50 value of pyrazole IV = 2.5 μM. Compds. I are claimed useful for the treatment of schizophrenia, depression, dementia, etc.

L9 ANSWER 4 OF 7 MARPAT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 132:322144 MARPAT Full-text
TITLE: Process for making 2-(trihaloacetyl)-3-(substituted amino)-2-propenoates
INVENTOR(S): Osei-Gyimah, Peter
PATENT ASSIGNEE(S): Rohm and Haas Company, USA
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1000926	A1	20000517	EP 1999-308535	19991028
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,				

PT, IE, SI, LT, LV, FI, RO

KR 2000035081	A	20000626	KR 1999-46879	19991027
US 6207828	B1	20010327	US 1999-433249	19991104
JP 2000143593	A	20000523	JP 1999-319772	19991110
CN 1257067	A	20000621	CN 1999-122445	19991110

PRIORITY APPLN. INFO.: US 1998-107796P 19981110
OTHER SOURCE(S): CASREACT 132:322144
AB Title aminopropenoates and related derivs. R1R2NCH:C(COCX3)C(:A)B [A = O or S; B = R, OR, NR2, SR (R = H, alkyl, haloalkyl, alkenyl, alkynyl, Ph or substituted phenyl); R1, R2 = alkyl or alkenyl or R2R2N = 4-morpholino, 1-piperidinyl, 1-pyrrolidinyl, thiomorpholin-4-yl, 1-pyrrolyl, or 1-imidazolyl; X = F or Cl] were prepared by treating a trihaloacetyl compound X3CCOCH2C(:A)B with an acetal R1R2NCH(OR3)(OR4) (R3, R4 = alkyl, cycloalkyl, benzyl or phenethyl or together form 1,3-dioxan-2-yl, 1,3-dioxolan-2-yl, or catech-2-yl) in the presence of an organic acid. Thus, DMF di-Me acetal was added to a stirred mixture of Et trifluoroacetoacetate and acetic acid in THF at 35° to afford, after 30 min addnl. stirring, 61.8 % Et 2-(trifluoroacetyl)-3-(dimethylamino)-2-propenoate and 19.8 % Et 3-(dimethylamino)-2- propenoate.
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 7 MARPAT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 111:39010 MARPAT Full-text
TITLE: Preparation of β-hydroxyalkanoate esters as synthetic intermediates
INVENTOR(S): Sayo, Noboru; Akutagawa, Susumu; Saito, Takao; Noyori, Ryoji; Kumobayashi, Hidenori; Takaya, Hidemasa
PATENT ASSIGNEE(S): Takasago International Corp., Japan
SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 295109	A1	19881214	EP 1988-305293	19880609
EP 295109	B1	19920304		
EP 295109	B2	19960904		
R: CH, DE, FR, GB, LI, NL				
JP 63310847	A	19881219	JP 1987-145975	19870611
JP 06099367	B	19941207		
US 4933482	A	19900612	US 1988-204480	19880609

PRIORITY APPLN. INFO.: JP 1987-145975 19870611
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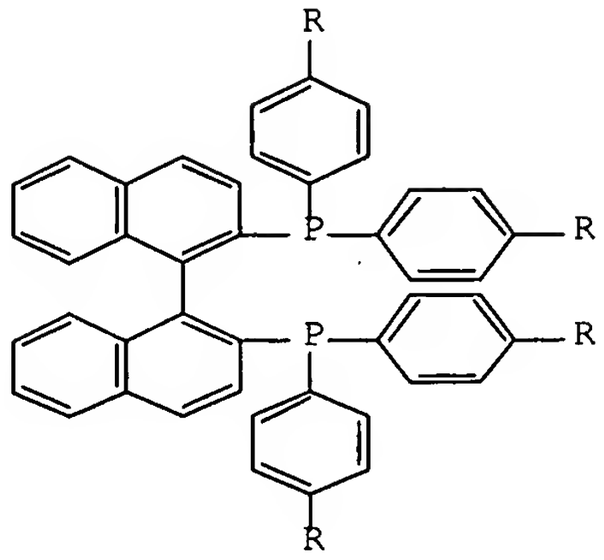

I

AB Optically active R1CHOHCHR3COR2 (R1 = alkyl; CF3, aryl; R2 = alkoxy, alkylthio, PhS, R4R5N where R4,R5 = H, alkyl, PhCH2; R3 = H, halo, alkyl, alkoxycarbonyl, alkoxycarbonylalkyl; R1R3 = to form a 4- to 6-membered alicyclylic) are prepared by asym. hydrogenation of R1COCHR3COR2 in the presence of a ruthenium-optically active phosphine complex. A mixture of MeCOCH2CO2Me, MeOH, H2O, and Ru2Cl4[(+)-I]2(NEt3) (R = H) (preparation given) was autoclaved at 30° and 40kg/cm2 H to give 98% Me (3R)-(-)-3-hydroxybutyrate (99.1% optical purity).

L9 ANSWER 6 OF 7 MARPAT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 101:55340 MARPAT Full-text
TITLE: Enamine derivatives of phosphonic acid esters as herbicides
INVENTOR(S): Singh, Rajendra K.
PATENT ASSIGNEE(S): Monsanto Co. , USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4444582	A	19840424	US 1982-449050	19821213
AU 8322315	A	19840621	AU 1983-22315	19831212
EP 112321	A1	19840627	EP 1983-870129	19831212
R: BE, DE, FR, IT, NL				
GB 2131810	A	19840627	GB 1983-33089	19831212
JP 59116295	A	19840705	JP 1983-232922	19831212
BR 8306801	A	19840717	BR 1983-6801	19831212

PRIORITY APPLN. INFO.: US 1982-449050 19821213
OTHER SOURCE(S): CASREACT 101:55340
AB Herbicidal ROP(O)(OR1)CH2N(CH2CN)CH:CR2COR3 (R,R1 = Ph, halophenyl, alkoxyphenyl; R2 = H, COR3; R3 = alkoxy, alkyl, haloalkyl) were prepared Thus H2C:C(COMe)(CO2Et) was treated with (PhO)2P(O)CH2NHCH2CN to give (PhO)2P(O)CH2N(CH2CN)CH:C(COMe)CO2Et (I). At 1.12 kg/ha postemergent, I gave complete control of Chenopodium album.

L9 ANSWER 7 OF 7 MARPAT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 101:23726 MARPAT Full-text

TITLE: Enamine derivatives of phosphonic acid esters as herbicides
INVENTOR(S): Singh, Rajendra K.
PATENT ASSIGNEE(S): Monsanto Co. , USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4444581	A	19840424	US 1982-449049	19821213
AU 8322316	A	19840621	AU 1983-22316	19831212
AU 556590	B2	19861113		
EP 112322	A1	19840627	EP 1983-870130	19831212
EP 112322	B1	19861001		
R: BE, DE, FR, IT, NL				
GB 2131809	A	19840627	GB 1983-33088	19831212
GB 2131809	B	19860529		
JP 59116296	A	19840705	JP 1983-232923	19831212
BR 8306802	A	19840717	BR 1983-6802	19831212
CA 1203542	A1	19860422	CA 1983-443113	19831212

PRIORITY APPLN. INFO.: US 1982-449049 19821213
OTHER SOURCE(S): CASREACT 101:23726
AB Vinylamines (RO)2P(O)CH2N(CH2CO2R1)CH:CR2R3 (R = Ph, halophenyl, haloalkanoyl; R1 = alkyl; R2 = carbalkoxy, alkanoyl, haloalkanoyl; R3 = H, carbalkoxy, alkanoyl, haloalkanoyl) were prepared, and they exhibited herbicidal activity. A mixture of (PhO)2P(O)CH2NHCH2CO2Et and EtOCH:C(Ac)CO2Et in PhMe was refluxed under N to give (PhO)2P(O)CH2N(CH2CO2Et)CH:C(Ac)CO2Et.

FILE CONTENT:1840 - 21 Jan 2007 VOL 146 ISS 4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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*
* CASREACT now has more than 10 million reactions *
*
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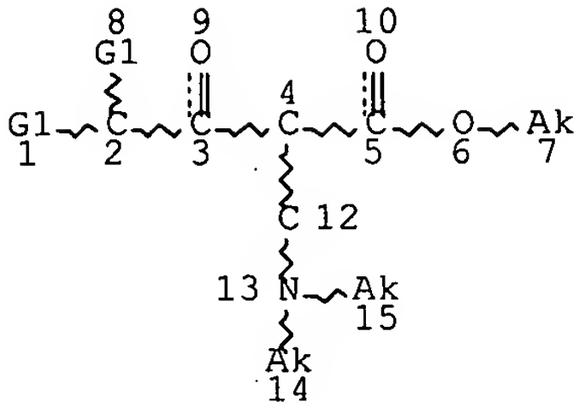
Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L1 STR



VAR G1=F/CL/BR
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L11 4 SEA FILE=CASREACT SSS FUL L1 (15 REACTIONS)

L11 ANSWER 1 OF 4 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 142:463718 CASREACT Full-text
TITLE: Preparation of 2-dihaloacyl-3-amino-acrylic acid esters
INVENTOR(S): Lantzsch, Reinhard; Joerges, Wolfgang; Pazenok, Sergiy
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042468	A1	20050512	WO 2004-EP11376	20041012
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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DE 10349500	A1	20050602	DE 2003-10349500	20031023
EP 1678119	A1	20060712	EP 2004-790277	20041012
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CN 1871204	A	20061129	CN 2004-80031203	20041012
BR 2004015855	A	20070109	BR 2004-15855	20041012

US 2006252944 A1 20061109 US 2006-576059 20060629
PRIORITY APPLN. INFO.: DE 2003-10349500 20031023
WO 2004-EP11376 20041012

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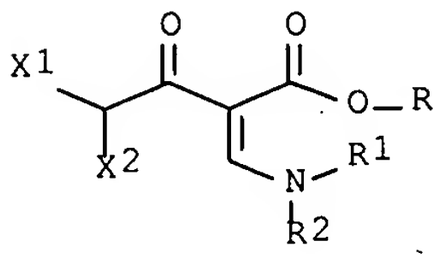

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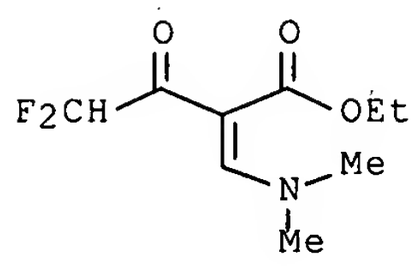
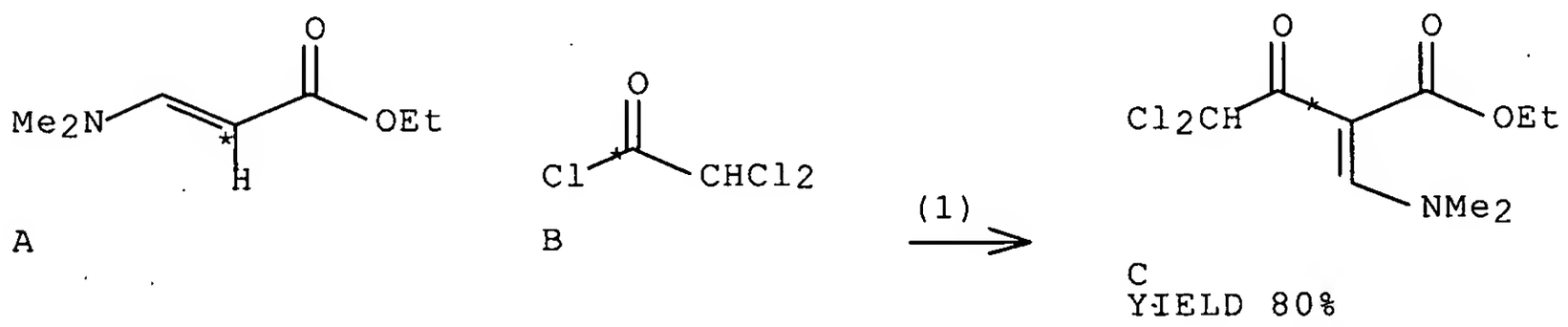


II

AB Title compds. I [X1, X2 = F, Cl, Br; R, R1, R2 = alkyl] were prepared For example, a solution of difluoroacetyl chloride (26 g) in toluene (200 mL) was added dropwise to ethyl-3-(dimethylamino)acrylate (32.5 g) in toluene (200 mL), the reaction was then cooled to 0°C and 10% sodium hydroxide (90.85 g) was added over a 3-h. The reaction was warmed to room temperature and after distillation afforded difluoroacetyl II in 74% yield. Of note, compds. I are useful intermediates for the synthesis of 3-dihalomethyl-pyrazole-4-carboxylic acid esters.

RX(1) OF 12 A + B ===> C...



A

B

C
YIELD 80%

RX(1) RCT A 924-99-2, B 79-36-7

STAGE(1)
SOL 108-88-3 PhMe
CON SUBSTAGE(1) 1 deg C -> 0 deg C
SUBSTAGE(2) 30 - 40 minutes, 0 - 3 deg C

STAGE(2)
RGT D 1310-73-2 NaOH
SOL 7732-18-5 Water
CON SUBSTAGE(1) 20 minutes, 0 - 3 deg C
SUBSTAGE(2) 3 hours, 0 - 3 deg C
SUBSTAGE(3) 0 deg C -> room temperature

PRO C 851725-83-2
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 4 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 139:53016 CASREACT Full-text
TITLE: Method for producing 2-halogenacyl-3-amino-acrylic acid and derivatives
INVENTOR(S): Lui, Norbert; Brackemeyer, Thomas; Mueller, Peter; Schneider, Marielouise
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003051820	A1	20030626	WO 2002-EP13721	20021204
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10161978	A1	20030626	DE 2001-10161978	20011217
AU 2002363862	A1	20030630	AU 2002-363862	20021204
EP 1458670	A1	20040922	EP 2002-798321	20021204
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1604889	A	20050406	CN 2002-825189	20021204
JP 2005511782	T	20050428	JP 2003-552708	20021204
US 6706911	B1	20040316	US 2002-319242	20021213

PRIORITY APPLN. INFO.: DE 2001-10161978 20011217
WO 2002-EP13721 20021204

OTHER SOURCE(S): MARPAT 139:53016
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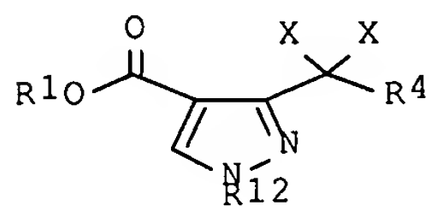

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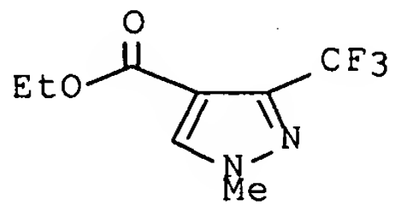
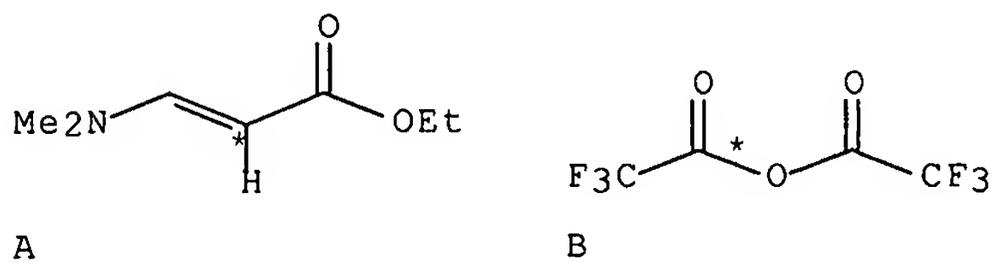


III

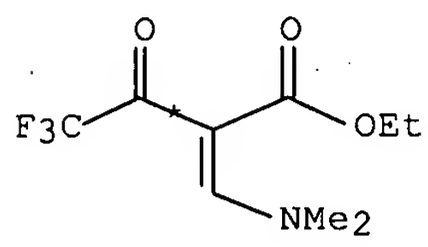
AB The invention relates to an improved method for producing 2-haloacyl-3-aminoacrylic acid derivs., R4CX2COC(CO2R1):CHNR2R3 [R1 = C1-12-alkyl, C6-18-aryl, C7-19-arylalkyl; R2, R3 = C1-12-alkyl, C7-19-arylalkyl; R4 = Cl, Br, I, C1-12-haloalkyl, C1-12-alkyl, C6-18-aryl, C7-19-arylalkyl; X = Cl, Br, I], and pyrazole-4-carboxylic acid derivs. I [R12 = H, C1-12-alkyl, C6-18-aryl, C7-19-

arylalkyl], both of which are obtained from the 3-aminoacrylic acid derivs., R2R3NCH:CHCO2R1 (II), comprising acylation of II with R4CX2COX or (R4CX2CO)2O in the presence of a base. Thus, 1-methyl-3- (trifluoromethyl)-4-pyrazolecarboxylic acid Et ester (III), was prepared from 3-(dimethylamino)acrylic acid Et ester (II; R1 = Et, R2 = R3 = Me) via acylation with CF3COCl in PhMe contg, Et3N, followed by cyclocondensation with MeNHNH2 in PhMe. Pyrazoles I are useful in the formulation of pharmaceuticals and agrochems. (no data).

RX(1) OF 9 A + B ===> C...



A B



C
YIELD 85%

RX(1) RCT A 924-99-2

STAGE(1)
SOL 108-88-3 PhMe
CON -15 deg C

STAGE(2)
RCT B 407-25-0
CON SUBSTAGE(1) 1 hour, -15 deg C
SUBSTAGE(2) 1 hour, 25 deg C

PRO C 267243-86-7
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 4 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 132:322144 CASREACT Full-text
TITLE: Process for making 2-(trihaloacetyl)-3-(substituted amino)-2-propenoates
INVENTOR(S): Osei-Gyimah, Peter
PATENT ASSIGNEE(S): Rohm and Haas Company, USA
SOURCE: Eur. Pat. Appl., 10 pp.

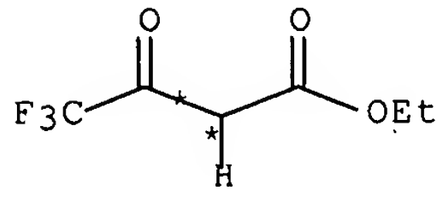
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1000926	A1	20000517	EP 1999-308535	19991028
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
KR 2000035081	A	20000626	KR 1999-46879	19991027
US 6207828	B1	20010327	US 1999-433249	19991104
JP 2000143593	A	20000523	JP 1999-319772	19991110
CN 1257067	A	20000621	CN 1999-122445	19991110
PRIORITY APPLN. INFO.:			US 1998-107796P	19981110

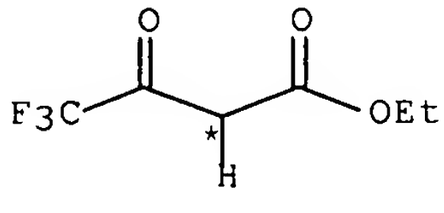
OTHER SOURCE(S): MARPAT 132:322144

AB Title aminopropenoates and related derivs. R1R2NCH:C(COCX3)C(:A)B [A = O or S; B = R, OR, NR2, SR (R = H, alkyl, haloalkyl, alkenyl, alkynyl, Ph or substituted phenyl); R1, R2 = alkyl or alkenyl or R2R2N = 4-morpholino, 1-piperidinyl, 1-pyrrolidinyl, thiomorpholin-4-yl, 1-pyrrolyl, or 1-imidazolyl; X = F or Cl] were prepared by treating a trihaloacetyl compound X3CCOCH2C(:A)B with an acetal R1R2NCH(OR3)(OR4) (R3, R4 = alkyl, cycloalkyl, benzyl or phenethyl or together form 1,3-dioxan-2-yl, 1,3-dioxolan-2-yl, or catech-2-yl) in the presence of an organic acid. Thus, DMF di-Me acetal was added to a stirred mixture of Et trifluoroacetoacetate and acetic acid in THF at 35° to afford, after 30 min addnl. stirring, 61.8 % Et 2-(trifluoroacetyl)-3-(dimethylamino)-2-propenoate and 19.8 % Et 3-(dimethylamino)-2- propenoate.

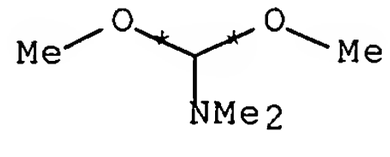
RX(1) OF 1 2 A + 2 B ===> C + D



A

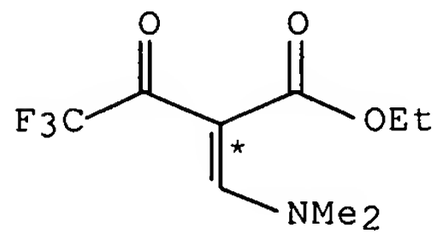


A

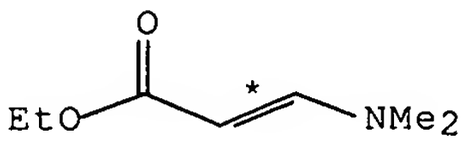


2 B

(1) →



C
YIELD 61%



D
YIELD 19%

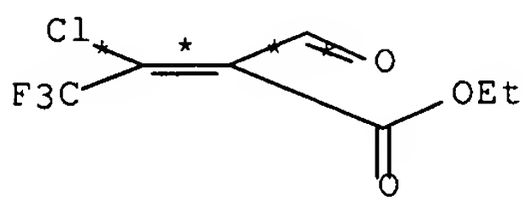
RX(1) RCT A 372-31-6, B 4637-24-5
RGT E 64-19-7 AcOH
PRO C 267243-86-7, D 924-99-2

SOL 68-12-2 DMF
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

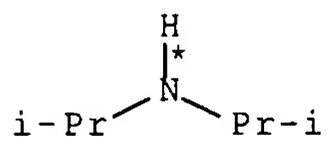
L11 ANSWER 4 OF 4 CASREACT COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 126:74506 CASREACT Full-text
TITLE: A new synthesis of enamino ketones
AUTHOR(S): Bartnik, Romuald; Bensadat, Abdelkader; Cal, Dariusz; Cebulska, Zofia; Laurent, Andre; Laurent, Eliane; Rizzon, Caroline
CORPORATE SOURCE: Inst. Chimie, Univ. Lodz, Lodz, 90 136, Pol.
SOURCE: Tetrahedron Letters (1996), 37(48), 8751-8754
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

AB E,Z β-chloroacroleins react with secondary amines to produce enamino ketones. The reaction was primarily studied with β-trifluoromethylacroleins.

RX(7) OF 7 Q + R ===> S

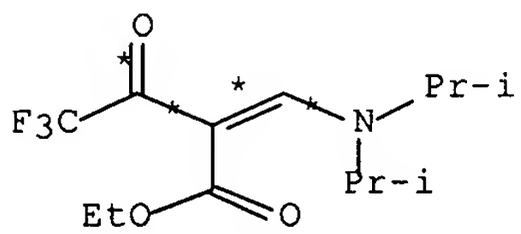


Q



R

(7) →



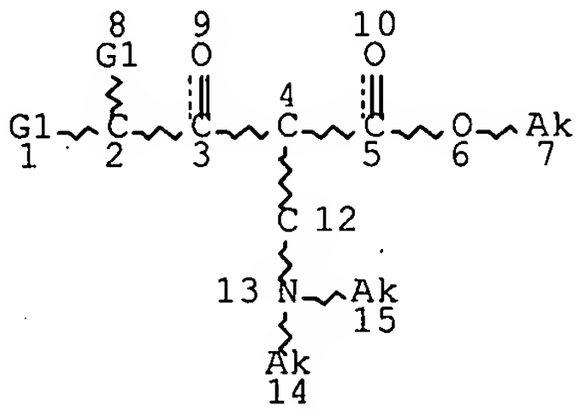
S
YIELD 57%

RX(7) RCT Q 136000-06-1, R 108-18-9
PRO S **185389-56-4**
SOL 60-29-7 Et2O
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

FILE 'DJSMDS' ENTERED AT 11:24:30 ON 25 JAN 2007

FILE 'CHEMINFORMRX' ENTERED AT 11:24:30 ON 25 JAN 2007

L1 STR



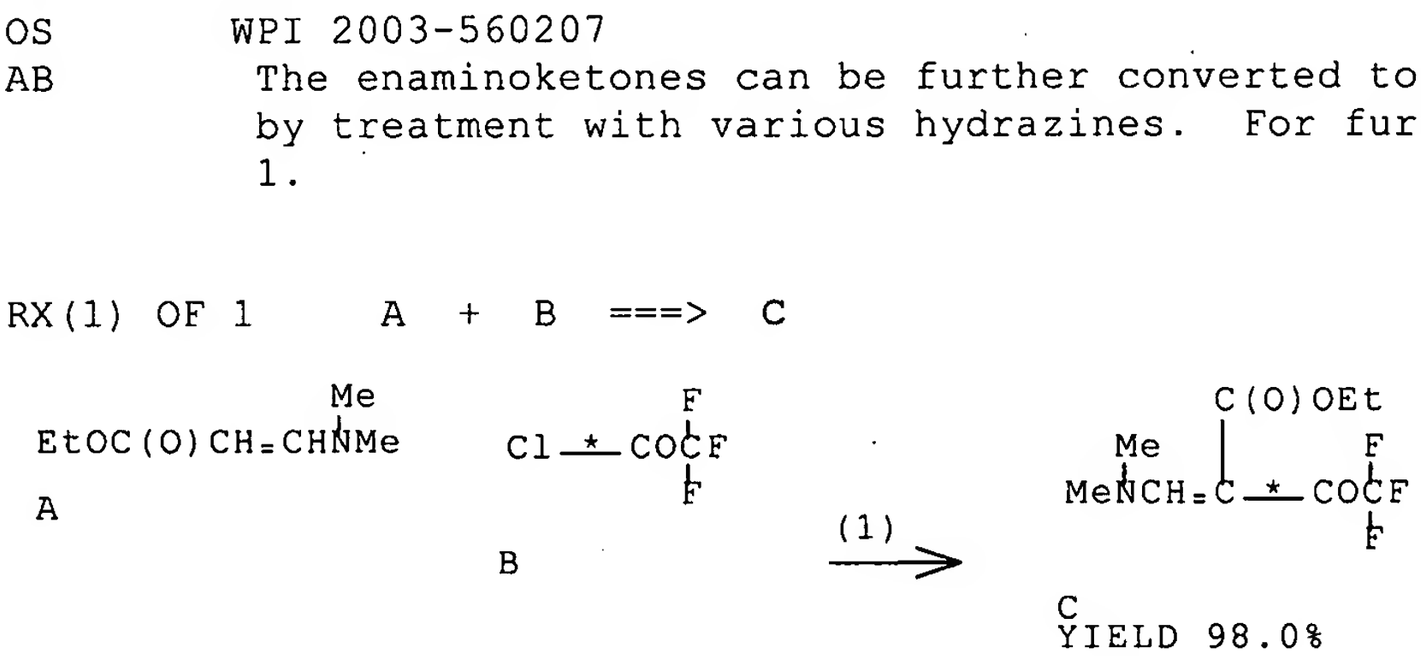
VAR G1=F/CL/BR
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L12 3 SEA L1

L12 ANSWER 1 OF 3 DJSMDS COPYRIGHT 2007 THE THOMSON CORP on STN
AN 2005:2054 DJSMDS Full-text
TI TRIFLUOROMETHYL BETA-AMINO-ALPHA,BETA-ETHYLENEKETONES FROM ENAMINES
PA Bayer AG (Liu, N.; et al.)
PI DE 10161978
DT Patent
VI 31-7
OS WPI 2003-560207
AB The enaminoketones can be further converted to trifluoromethyl pyrazoles by treatment with various hydrazines. For further examples, see citation 1.

RX(1) OF 1 A + B ===> C



A

B

(1)

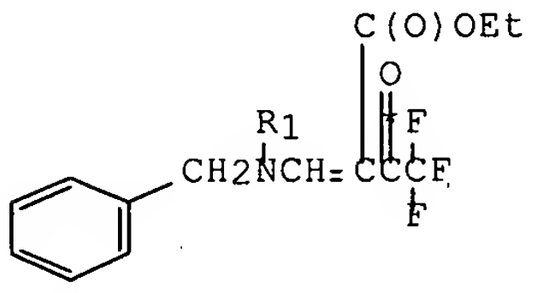
C
YIELD 98.0%

RX(1) RCT A, 54401; 128 g
B, 6307; 120 g
SOL 26, Toluene
CAT 78, TEA; 98 g
PRO C, 135538
T 10.0 Cel
TIM 4.5 hr
CMT Heated to 50¢C, water added, stirred for 15 mins.

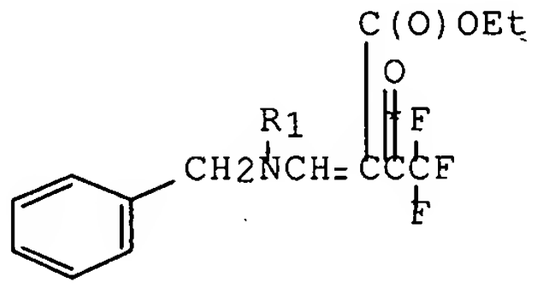
CMT Path A

L12 ANSWER 2 OF 3 CHEMINFORMRX COPYRIGHT 2007 FIZ CHEMIE on STN
AN 199849143 CHEMINFORMRX Full-text
TI Reactivity of Trifluoromethylenaminoketones. Synthesis of New Trifluoromethylpyrroles.
AU BARTNIK, R.; BENSADAT, A.; CAL, D.; FAURE, R.; KHATIMI, N.; LAURENT, A.; LAURENT, E.; RIZZON, C.
CS Lab. Chim. Org., CNRS, Univ. Claude Bernard Lyon, F-69622 Villeurbanne, Fr.
SO Bull. Soc. Chim. Fr., 134(7), 725-734 (1997)
CODEN: BSCFAS ISSN: 0037-8968
LA French
AB In connection with the synthesis of biologically active pyrroles bearing a CF3 substituent, enaminoketones are used as suitable cyclization precursors. Especially, factors are investigated which favor a 3-exotrig versus a 5-exotrig cyclization. The mechanisms which lead to the different products including (II) and (VII) resulting from 3-exotrig ring closure are discussed in detail.

RX(4) OF 5 2 K ===> L + M

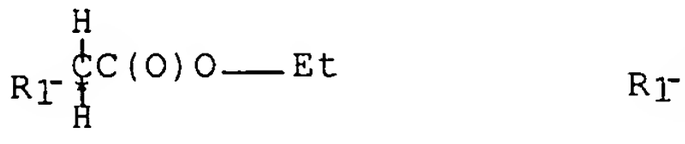


VIII



VIII

(4)



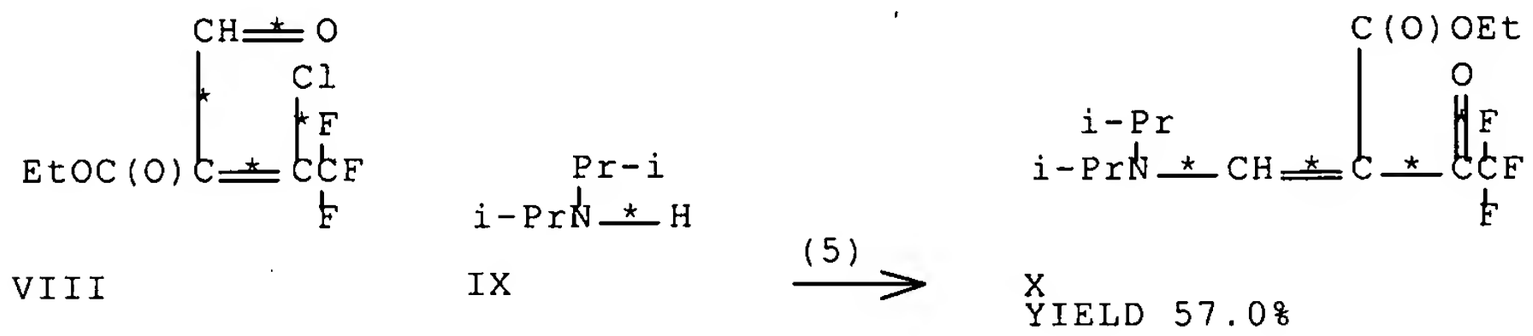
IX
YIELD 28.0%

IX
YIELD 15.0%

RX(4) RCT VIII, 642133
RGT 1163 (7646-69-7), NaH
SOL 77 (67-68-5), DMSO
14 (71-43-2), benzene
PRO IX, 642134
IX, 642135
YDS 43.0 %
T 25.0 Cel
KW aromatisation; olefination; aldol olefination
NTE reaction:VIII -> IXa + IXb

L12 ANSWER 3 OF 3 CHEMINFORMRX COPYRIGHT 2007 FIZ CHEMIE on STN
AN 199711076 CHEMINFORMRX Full-text
TI A New Synthesis of Enaminoketones.
AU BARTNIK, R.; BENSADAT, A.; CAL, D.; CEBULSKA, Z.; LAURENT, A.; LAURENT, E.; RIZZON, C.
CS Inst. Chim., Univ. Lodz, PL-90 136 Lodz, Pol.
SO Tetrahedron Lett., 37(48), 8751-8754 (1996)
CODEN: TELEAY ISSN: 0040-4039
LA English
AB E,Z-Mixtures of β-chloroacroleins readily react with secondary amines to produce enaminoketones in good yields.

RX(5) OF 5 N + O ===> P



VIII IX X
YIELD 57.0%

RX(5) RCT VIII, 96626 (133205-48-8;133205-49-9;136000-06-1)
IX, 248 (108-18-9)
SOL 61 (60-29-7), Et2O
PRO X, **518710**
YDS 57.0 %
T 25.0 Cel
TIM 6.0 hr
KW alkylation; N-alkylation
NTE reaction:VIII (IX) -> X

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FILE 'JICST-EPLUS' ENTERED AT 11:26:10 ON 25 JAN 2007
COPYRIGHT (C) 2007 Japan Science and Technology Agency (JST)

FILE 'JAPIO' ENTERED AT 11:26:10 ON 25 JAN 2007
COPYRIGHT (C) 2007 Japanese Patent Office (JPO)- JAPIO

L13 392 S "LANTZSCH R"?/AU
L14 4 S ("JOERGES W"? OR "JORGES W"?)/AU
L15 67 S "PAZENOK S"?/AU

L16 2 S L13 AND L14 AND L15
L17 10 S L13 AND (L14 OR L15)
L18 2 S L14 AND L15
L19 1 S (L13 OR L14 OR L15) AND (AMINOACRYLIC OR AMINO ACRYLIC)
L20 10 S L16 OR L17 OR L18 OR L19
L21 5 DUP REM L20 (5 DUPLICATES REMOVED)

L21 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2006:544471 HCAPLUS Full-text
DOCUMENT NUMBER: 145:27726
TITLE: Chlorination method for producing 3-halophthaloyl chlorides from 3-halophthalic anhydrides and phosgene in the presence of dialkylformamides
INVENTOR(S): Stoelting, Joern; **Lantzsch, Reinhard**; **Pazenok, Sergiy**
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006058642	A1	20060608	WO 2005-EP12519	20051123
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102004058519	A1	20060614	DE 2004-102004058519	20041204
PRIORITY APPLN. INFO.:			DE 2004-102004058519A	20041204

OTHER SOURCE(S): CASREACT 145:27726; MARPAT 145:27726

AB A method is described for producing 3-halophthaloyl dichlorides (e.g., 3-chlorophthaloyl dichloride) from the corresponding 3-halophthalic anhydrides (e.g., 3-chlorophthalic anhydride) by their chlorination with phosgene in the presence of an N,N-dialkylformamide (e.g., dibutylformamide) in the presence of an inert diluent (e.g., toluene) at 20-150°.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 2006:190961 HCAPLUS Full-text
DOCUMENT NUMBER: 144:253890
TITLE: Preparation of 2-biphenylamines as agrochemical fungicides
INVENTOR(S): **Joerges, Wolfgang**; Heinrich, Jens-Dietmar; **Lantzsch, Reinhard**
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: Ger. Offen., 20 pp.

CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

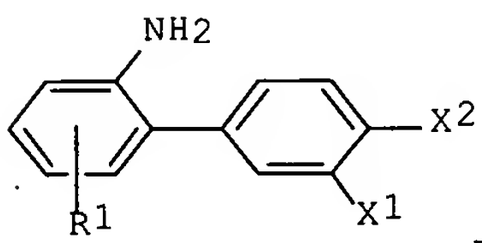
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004041531	A1	20060302	DE 2004-102004041531	20040827
WO 2006024388	A1	20060309	WO 2005-EP8838	20050813

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

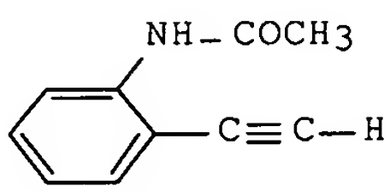
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2004-102004041531A 20040827

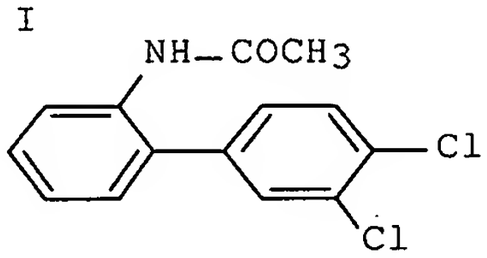
OTHER SOURCE(S): MARPAT 144:253890
GI



I



II



III

AB Title compds. I [R1 = H, halo, alkyl, etc.; X1 = halo; X2 = halo] were prepared For example, tandem cycloaddn.-cycloreversion of 3,4-dichlorothiophene 1,1-dioxide and phenylethyne II afforded 2-biphenylamine in 73% yield. Of note, compds. are useful intermediates in the production of agrochem. fungicides.

L21 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 3
ACCESSION NUMBER: 2005:429403 HCAPLUS Full-text
DOCUMENT NUMBER: 142:482038
TITLE: Preparation of 3-difluoromethylpyrazoles and related compounds via nucleophilic fluorination
INVENTOR(S): **Lantzsch, Reinhard; Pazenok, Sergiy**; Memmel, Frank

PATENT ASSIGNEE(S): Bayer Cropscience G.m.b.H., Germany
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044804	A1	20050519	WO 2004-EP11809	20041019
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10351088	A1	20050602	DE 2003-10351088	20031031
EP 1682515	A1	20060726	EP 2004-765988	20041019
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1875006	A	20061206	CN 2004-80032248	20041019
BR 2004016112	A	20070102	BR 2004-16112	20041019
US 2006276656	A1	20061207	US 2006-576742	20060828
PRIORITY APPLN. INFO.:			DE 2003-10351088 A	20031031
			WO 2004-EP11809 W	20041019

OTHER SOURCE(S): CASREACT 142:482038
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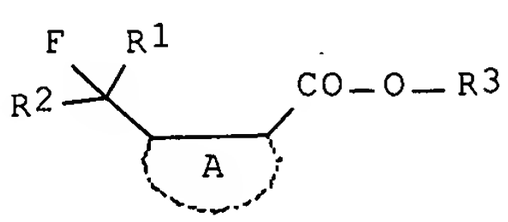

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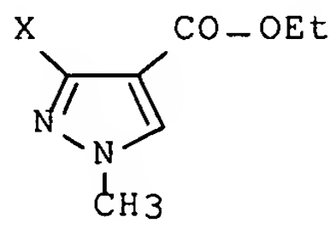

II

AB Title compds. I [R1 = H, F, Cl; R2 = H, F, Cl; R3 = alkyl; A = 5-membered heterocycle, i.e., pyrazole, thiazole, oxazole, etc.] were prepared via the fluorination of the corresponding chloromethyl- substituted precursors. For example, Franz reagent, i.e., triethylaminetris(hydrofluoride) mediated fluorination of dichloride II (X = CHCl2), afforded claimed difluoromethylpyrazole II (X = CHF2) in 87% yield.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 2005:409463 HCAPLUS Full-text
DOCUMENT NUMBER: 142:463718
TITLE: Preparation of 2-dihaloacyl-3-**amino-acrylic** acid esters
INVENTOR(S): **Lantżsch, Reinhard; Joerges, Wolfgang; Pazenok, Sergiy**
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042468	A1	20050512	WO 2004-EP11376	20041012
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10349500	A1	20050602	DE 2003-10349500	20031023
EP 1678119	A1	20060712	EP 2004-790277	20041012
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CN 1871204	A	20061129	CN 2004-80031203	20041012
BR 2004015855	A	20070109	BR 2004-15855	20041012
US 2006252944	A1	20061109	US 2006-576059	20060629
PRIORITY APPLN. INFO.:			DE 2003-10349500 A	20031023
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OTHER SOURCE(S): CASREACT 142:463718
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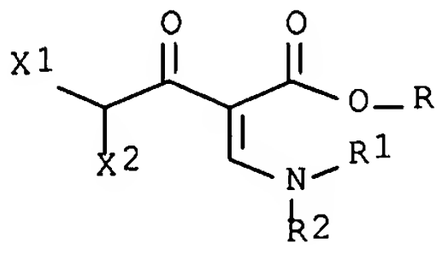

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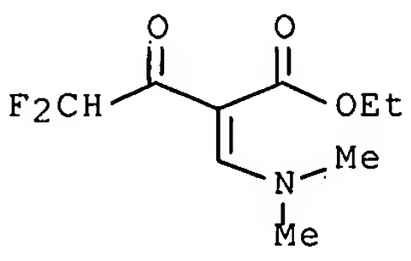

II

AB Title compds. I [X1, X2 = F, Cl, Br; R, R1, R2 = alkyl] were prepared For example, a solution of difluoroacetyl chloride (26 g) in toluene (200 mL) was added dropwise to ethyl-3-(dimethylamino)acrylate (32.5 g) in toluene (200 mL), the reaction was then cooled to 0°C and 10% sodium hydroxide (90.85 g) was added over a 3-h. The reaction was warmed to room temperature and after

distillation afforded difluoroacetyl II in 74% yield. Of note, compds. I are useful intermediates for the synthesis of 3-dihalomethyl-pyrazole-4-carboxylic acid esters.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 5

ACCESSION NUMBER: 2005:346996 HCAPLUS Full-text
DOCUMENT NUMBER: 142:411372
TITLE: Method for producing heteroaroylureas and their use as arthropodicides and helminthicides
INVENTOR(S): **Pazenok, Sergiy**; Krautstrunk, Gerhard; **Lantzsch, Reinhard**
PATENT ASSIGNEE(S): Bayer Cropscience G.m.b.H., Germany
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005035508	A2	20050421	WO 2004-EP10562	20040921
WO 2005035508	A3	20050609		
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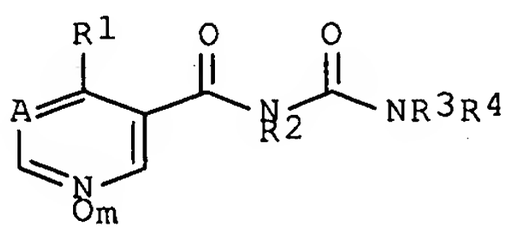
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10346245	A1	20050428	DE 2003-10346245	20031006
EP 1673350	A2	20060628	EP 2004-765439	20040921
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004015223	A	20061205	BR 2004-15223	20040921
CN 1886381	A	20061227	CN 2004-80034951	20040921

PRIORITY APPLN. INFO.: DE 2003-10346245 A 20031006
WO 2004-EP10562 W 20040921

OTHER SOURCE(S): MARPAT 142:411372
GI



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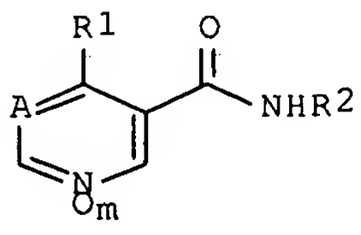

II

AB Title compds. [I; A = CH, N; R1 = haloalkyl; R2 = H, M; M = (in)organic cation; R3 = (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, cycloalkyl, cycloalkylalkyl, cycloalkylmethoxy, aryl, heterocyclyl, aryloxy, arylmethyl, etc.; R4 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl cycloalkylalkyl, aryl, heterocyclyl, arylmethyl, heterocyclylmethyl; R3R4N = (unsatd.) (substituted) 3-8 membered heterocyclyl; m = 0, 1] were prepared by treatment of the corresponding heteroarylcarboxamides (II; variables as above) with XCONR3R4 [X = pyrazol-1-yl, imidazol-1-yl, OR7; R7 = (substituted) alkyl, alkenyl, Ph, PhCH2; R3, R4 as above] in the presence of base. I at 300 ppm gave 90-100% kill of Aphis fabae in beans.

FILE 'HOME' ENTERED AT 11:29:30 ON 25 JAN 2007

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=> d que l2; d que l9; d que l11; d que l13; d his ful
L1                STR
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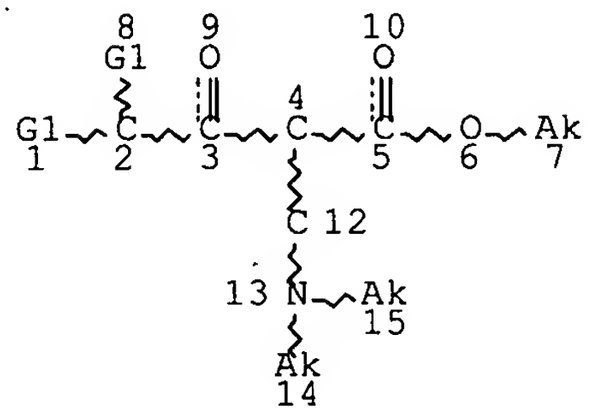


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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
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L7                STR
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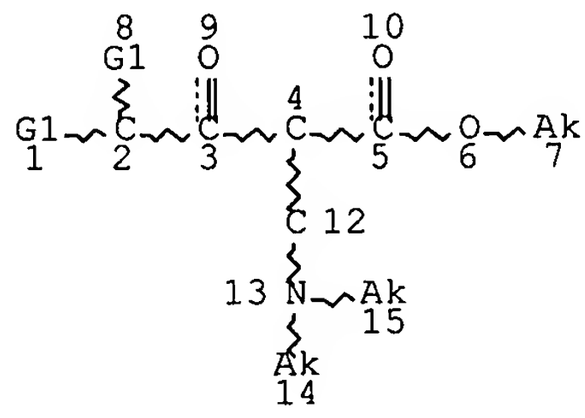


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NUMBER OF NODES IS  14

STEREO ATTRIBUTES: NONE

ATTRIBUTES SPECIFIED AT SEARCH-TIME:
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ALL RING(S) ARE ISOLATED

L9             7 SEA FILE=MARPAT SSS FUL L7 (MODIFIED ATTRIBUTES)
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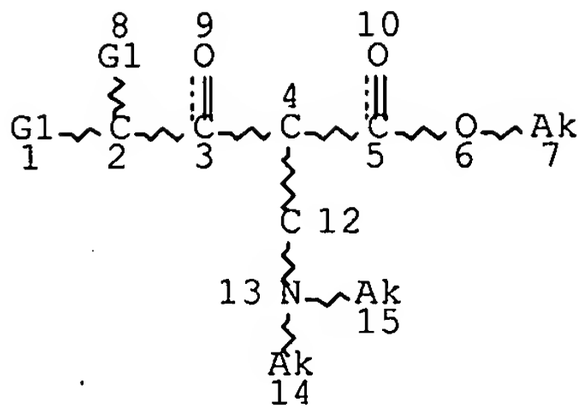
L1 STR



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STEREO ATTRIBUTES: NONE
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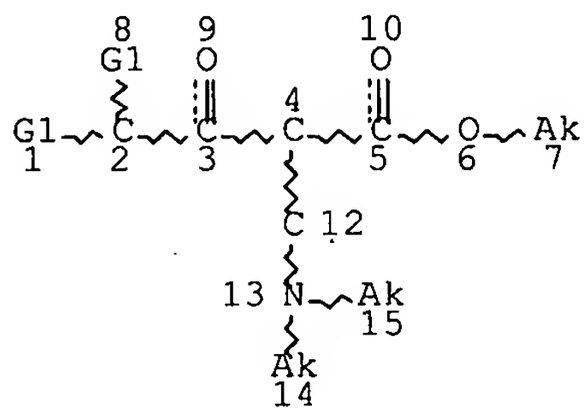
L1 STR



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STEREO ATTRIBUTES: NONE
L12 3 SEA L1

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ACT CHOJ1/A

L1 STR
L2 9 SEA SSS FUL L1

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                D QUE STAT

     FILE 'HCAPLUS' ENTERED AT 11:21:59 ON 25 JAN 2007
L3             9 SEA ABB=ON  PLU=ON  L2
                D 1-9 IBIB ABS HITSTR

     FILE 'CAOLD' ENTERED AT 11:22:13 ON 25 JAN 2007
L4             0 SEA ABB=ON  PLU=ON  L2

     FILE 'USPATFULL' ENTERED AT 11:22:25 ON 25 JAN 2007
L5             7 SEA ABB=ON  PLU=ON  L2
                D 1-7 IBIB ABS

     FILE 'MEDLINE, BIOSIS, EMBASE' ENTERED AT 11:22:40 ON 25 JAN 2007
L6             0 SEA ABB=ON  PLU=ON  L2

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L7                STR L1
L8             0 SEA SSS SAM L7 (MODIFIED ATTRIBUTES)
L9             7 SEA SSS FUL L7 (MODIFIED ATTRIBUTES)
                D QUE STAT
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     FILE 'CASREACT' ENTERED AT 11:23:31 ON 25 JAN 2007
L10            0 SEA SSS SAM L1 (     0 REACTIONS)
L11            4 SEA SSS FUL L1 (    15 REACTIONS)
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     FILE 'DJSMDS, CHEMINFORMRX' ENTERED AT 11:24:30 ON 25 JAN 2007
L12            3 SEA ABB=ON  PLU=ON  L1
                D QUE STAT
                D 1-3 BIB AB FHIT

     FILE 'HCAPLUS, MEDLINE, BIOSIS, EMBASE, WPIDS, JICST-EPLUS, JAPIO'
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L13          392 SEA ABB=ON  PLU=ON  "LANTZSCH R"?/AU
L14            4 SEA ABB=ON  PLU=ON  ("JOERGES W"? OR "JORGES W"?)/AU
L15           67 SEA ABB=ON  PLU=ON  "PAZENOK S"?/AU
L16            2 SEA ABB=ON  PLU=ON  L13 AND L14 AND L15
L17           10 SEA ABB=ON  PLU=ON  L13 AND (L14 OR L15)
L18            2 SEA ABB=ON  PLU=ON  L14 AND L15
L19            1 SEA ABB=ON  PLU=ON  (L13 OR L14 OR L15) AND (AMINOACRYLIC
                 OR AMINO ACRYLIC)
L20           10 SEA ABB=ON  PLU=ON  L16 OR L17 OR L18 OR L19
L21            5 DUP REM L20 (5 DUPLICATES REMOVED)
                D 1-5 IBIB ABS

     FILE 'HOME' ENTERED AT 11:29:30 ON 25 JAN 2007
                D QUE L2
                D QUE L9
                D QUE L11
                D QUE L13


     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.
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STRUCTURE FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3
DICTIONARY FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE HCAPLUS

FILE COVERS 1907 - 25 Jan 2007 VOL 146 ISS 5
FILE LAST UPDATED: 24 Jan 2007 (20070124/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE CAOLD
FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 18 Jan 2007 (20070118/PD)
FILE LAST UPDATED: 23 Jan 2007 (20070123/ED)
HIGHEST GRANTED PATENT NUMBER: US2007015693
HIGHEST APPLICATION PUBLICATION NUMBER: US2007016995

CA INDEXING IS CURRENT THROUGH 23 Jan 2007 (20070123/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 18 Jan 2007 (20070118/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

FILE MEDLINE
FILE LAST UPDATED: 24 Jan 2007 (20070124/UP). FILE COVERS 1950 TO DA

All regular MEDLINE updates from November 15 to December 16 have bee added to MEDLINE, along with 2007 Medical Subject Headings (MeSH(R)) and 2007 tree numbers.

The annual reload will be available in early 2007.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS
FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 24 January 2007 (20070124/ED)

FILE EMBASE
FILE COVERS 1974 TO 25 Jan 2007 (20070125/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE MARPAT
FILE CONTENT: 1961-PRESENT VOL 146 ISS 4 (20070119/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US	2006270870	30	NOV 2006
DE	102005023858	30	NOV 2006
EP	1727165	29	NOV 2006
JP	2006324194	30	NOV 2006
WO	2006128952	07	DEC 2006
GB	2426524	29	NOV 2006
FR	2886297	01	DEC 2006
RU	2287524	20	NOV 2006
CA	2508094	20	NOV 2006

Expanded G-group definition display now available.

FILE CASREACT
Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December

26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 21 Jan 2007 VOL 146 ISS 4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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*
* CASREACT now has more than 10 million reactions
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Some CASREACT records are derived from the ZIC/VINITI database (1974-1 provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substanc identification.

FILE DJSMDS
FILE LAST UPDATED: 21 NOV 2006 <20061121/UP>

>>> DERWENT JOURNAL OF SYNTHETIC METHODS - DERWENT SUBSCRIBER FILE >>>
>>> FILE COVERS 1975 TO 2004 DATA <<<
>>> GRAPHIC IMAGES OF THE PRINTED DERWENT JOURNAL OF SYNTHETIC METHODS ARE AVAILABLE FROM 1975 TO 2004 <<<
>>> PLEASE NOTE: IN DJSM HYDROGEN BONDS CANNOT BE DEFINED AS REACTION SITES <<<

FILE CHEMINFORMRX
FILE LAST UPDATED: 5 DEC 2006 <20061205/UP>

>>> CAS Registry Numbers are available for substances prior to 1995 <<<

FILE WPIDS
FILE LAST UPDATED: 23 JAN 2007 <20070123/UP>
MOST RECENT THOMSON SCIENTIFIC UPDATE: 200706 <200706/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> YOU ARE IN THE NEW AND ENHANCED DERWENT WORLD PATENTS INDEX <<<

>>> IPC Reform reclassification data for the backfile is being loaded into the database during of January 2007.
There will not be any update date (UP) written for the reclassifie documents, but they can be identified by 20060101/UPIC. <<<

FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE, PLEASE VISIT:
http://www.stn-international.de/training_center/patents/stn_guide.pdf

FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE
http://scientific.thomson.com/support/patents/coverage/latestupdates/

PLEASE BE AWARE OF THE NEW IPC REFORM IN 2006, SEE
http://www.stn-international.de/stndatabases/details/ipc_reform.html a
http://scientific.thomson.com/media/scpdf/ipcrdwpi.pdf

>>> FOR DETAILS ON THE NEW AND ENHANCED DERWENT WORLD PATENTS INDEX
PLEASE SEE
http://www.stn-international.de/stndatabases/details/dwpi_r.html <<<

>>> New and revised Manual Codes went live in Derwent World Patents In
To view the lists of new, revised and retired codes for both CPI a
EPI, please go to:
http://scientific.thomson.com/dwpi-manualcoderevision <<<

FILE JICST-EPLUS
FILE COVERS 1985 TO 22 JAN 2007 (20070122/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED
TERM (/CT) THESAURUS RELOAD.

FILE JAPIO
FILE LAST UPDATED: 2 JAN 2007 <20070102/UP>
FILE COVERS APRIL 1973 TO SEPTEMBER 29, 2006

>>> GRAPHIC IMAGES AVAILABLE <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN FILE JAPIO.
SEE HELP CHANGE
AND
http://www.stn-international.de/stndatabases/details/ipc_reform.html <

FILE HOME